[topcoder]

VA Kidney Native iPhone App Prototype Challenge - Deployment Guide

Revision History

Author	Revision Number	Date
TCCODER	1.0	Dec 25, 2017
TCCODER	1.1	Feb 04, 2018

Deployment Instructions

1. Deployment Dependencies

Before performing a deployment, it is assumed that the following have been set up:

- Xcode 9.2+
- OS X 10.12.6 or above
- iOS SDK 11 or above
- iPhone device or simulator with iOS 10+

2. Organization of Submission

- *src* – this directory contains the source code
- *src/VAKidneyNutrition.xcworkspace* – Xcode workspace to open.
- *docs* – this directory contains the documents for this application, including this deployment guide

3. 3rd party Libraries

SwiftyJSON - https://github.com/SwiftyJSON/SwiftyJSON

SwiftyJSON makes it easy to deal with JSON data in Swift. Version: 4.0.0

All libraries are configured in *src/Podfile*

4. Configuration

4.1. Configuration file

There is no specific configuration for this demo app.

4.2. Sample data

Sample data (used to fill the prototype with data) are stored in JSON files in *VAKidneyNutrition/Supporting Files/Sample Data/* group.

5. Deployment Instructions

5.2. Build and run the app in a simulator or on a real device

Pods directory should be pulled using the following command runned from `src` directory:

```
$ pod install
```

To build and run the app in a simulator or on a real device you will need to do the following:

1. Open *src/VAKidneyNutrition.xcworkspace* in Xcode
2. Select *VAKidneyNutrition* scheme from the top left drop down list.
3. Select a real iPhone (when connected) or a simulator from the top left dropdown list.
4. Click menu Product -> Run (Cmd+R)

5. Follow the verification steps in 7. Verification

6. Verification

Follow the challenge description and forum messages to verify the app. See some notes below. Also you can follow the video (how to launch the server and verify the screens) - https://youtu.be/ZuWIjcQgbI4 .

Notes

- **You must remove previously installed app on your device/simulator because Core Data model changed and requires fresh install.**
- Try to tweak the sample JSON files to verify how the app renders changed data (in all submissions)
- A few options added in the code to switch between different behaviors. Search for "`let OPTION_`" in the code. For example, "Login" button is disabled until both fields are filled. However, you can disable this behaviour with modifying `OPTION_DISABLE_LOGIN_IF_EMPTY_FIELDS = false` in the code if you want to verify all cases when input data is incorrect (empty fields).
- Verify how "Next" button works on the keyboard in 'Login' and "Add New Meal" form (in all submissions).

7. Resource Contact List

Name	Resource Email
TCCODER	Through TopCoder Member Contact